## ABSTRACT OF THE DISCLOSURE

The present application relates to a cosmetic composition intended for treating keratin fibres, comprising, in a support which is suitable for keratin fibres:

- (a) at least one enzyme of 2-electron oxidoreductase type in the presence of at least one donor for the said 10 enzyme;
  - (b) at least one aminosilicone;
- as well as to processes for treating keratin fibres, in 15 particular processes for dyeing, permanently reshaping or bleaching the hair, using this composition.